

15 INCH SPEED MODE

The aim of this program is to provide 15 preset Inch speed setpoints. The Inch speeds are located in the M screens and are addressed in a binary configuration by four digital inputs.

The adjustable speeds in Screens M1-M15 are addressed as per following truth table. X signifies a closed input switch, and a 0 signifies an open input switch.

SCREEN	TITLE	FUNCTION	INPUTS			
			MF14 (T16) Z	MF13 (T15) Y	MF12 (T14) X	MF11 (T13) W
	ZERO		0	0	0	0
M1	MREF1	INCH1	0	0	0	X
M2	MREF2	INCH2	0	0	X	0
M3	MREF3	INCH3	0	0	X	X
M4	MREF4	INCH4	0	X	0	0
M5	MREF5	INCH5	0	X	0	X
M6	MREF6	INCH6	0	X	X	0
M7	MREF7	INCH7	0	X	X	X
M8	MREF8	INCH8	X	0	0	0
M9	MREF9	INCH9	X	0	0	X
M10	MREF10	INCH10	X	0	X	0
M11	MREF11	INCH11	X	0	X	X
M12	MREF12	INCH12	X	X	0	0
M13	MREF13	INCH13	X	X	0	X
M14	MREF14	INCH14	X	X	X	0
M15	MREF15	INCH15	X	X	X	X

Selecting an Inch speed will set the speed reference and start the drive.

The existing M-screen System variables have been used for Inch 1 to Inch7. Eight new Vista variables are used for Inch 8 to Inch 15. (Hence MREF 1-7 are Read Variables in the schematic, MREF 8-15 are New Variables).